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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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( U	TILITY	1	Attorne	ey Docket	No.	23681-0	)14		
PATENT	APPLICATION	N	First In	ventor	Anin	iddha S.	Worlikar, et	al.	
TRAI	NSMITTAL		Title	HIGH-P	URITY	CYRSTA	L GROWTH	1	
		1	7.4.0						·
(Only for new nonprovisional	al applications under 37 C	F.R. 1.53(b))	Expres	s Mail Lal	bel No.	EV23	31274274US	; August 28, 2	003
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See MPEP chapter 600 conce								, DC 20231	<del></del>
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2. Applicant claims	small entity status.	.5)	8					equence Sub	omission
See 37 CFR 1.2				· <u></u> '		all nece			
3. Specification	[ I Otal Pa ment set forth below)	ages [27]					able Formence Listin		
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or a computer pro - Background of th	ogram listing appendix e Invention				ACCO	MPANY	ING APPI	LICATIONS F	PARTS
- Brief Summary of	f the Invention		9	. 🗆 📝	Assign	ment Pa	apers (cove	er sheet & do	cument(s))
- Brief Description - Detailed Descript	of the Drawings ( if filed)		10				3(b) Statem		ower of
- Claim(s)			j	(	when	there is	an assigne	e) At	torney
- Abstract of the D	isclosure		11	. 🔲 🛮 E	Englist	Transl	ation Docu	ment <i>(if appli</i>	icable)
4. Drawing(s) (35 L	J.S.C.113) [Total S	heets 8	]   12	_			closure		opies of IDS
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named in the pr	ior application, see 37 CF		16					under 35 U.S	.C. 122 n PTO/SB/35
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6. Application Data S	heet. See 37 CFR 1.7	ь	17	: 🔲 .	Other:				
18. If a CONTINUING APPLIC	CATION check annound	ate hox, and sun	nly the	requisite	informa	ation hal	ow and in a	nreliminanya	mendment
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Name (Print/Type)	Shane H. Hunter, Es	q.	Attor	ney Regi	istratio	n No.		41,858	
Signature	Shane	funter					Date	August 28,	2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-01)
Approved for use through 10/31/2002, OMB 0651-0032
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CCC TO A MOMETA I	Complete if Known							
FEE TRANSMITTAL	Application Number							
for FY 2002	Filing Date	August 28, 2003						
	First Named Inventor	Aniruddha S. Worlikar et al.						
Patent fees are subject to annual revision.	Examiner Name							
	Group / Art Unit							

TOTAL	- AliiO	<u> </u>	FFAII	MENT (2)	501.00		Attorn	еу Боске	et No.	2300	11-014	
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Depos							Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Accou Numb		1					105	130	205	65	Surcharge - late filing fee or oath	
Depos						 	127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
Accou	ınt	Mint	z, Levin,	Cohn, Ferris, Glo	vsky & Popeo PC		139	130	139	130	Non-English specification	
Name Name							147	2,520	147	2,520	For filing a request for reexamination	
_ ∪	Inder 37	CFR 1.1	onal Fee 16 and 1. small entit				112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
8	See 37 C Payme	FR 1.27		y status.			113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
	ayınc	IN LINCK					115	110	215	55	Extension for reply within first month	
⊠c	Check	_ c	redit card	☐ Money Order	☐ Other		116	400	216	200	Extension for reply within second month	
			FEE C	ALCULATION			117	920	217	460	Extension for reply within third month	
	ASIC FI						118	1,440	218	720	Extension for reply within fourth month	
	Entity		Entity				128	1,960	228	980	Extension for reply within fifth month	
		Fee Code	Fee (\$)	Fee Description	Fee Paid		119	320	219	160	Notice of Appeal	
	• • •	201	370	Utility filing fee	375	٦	120	320	220	160	Filing a brief in support of an appeal	
		206	165	Design filing fee		┪	121	280	221	140	Request for oral hearing	
107	510	207	255	Plant filing fee		_	138	1,510	138	1,510	Petition to institute a public use proceeding	
		208	370	Reissue filing fee		4	140	110	240	55	Petition to revive - unavoidable	
114	160	214	80	Provisional filling	tee	┙	141	1,280	241	640	Petition to revive – unintentional	
		s	UBTOTA	L (1)	(\$)375	7	142	1,280	242	640	Utility issue fee (or reissue)	
							143	460	243	230	Design issue fee	<b> </b>
2. EXTR	A CLAIN	/ FEES	i	_			144	620	244	310	Plant issue fee	
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Total Claims	s 34	<b>-</b>	** =		9 = 126	ר ו	123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
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Multiple Dependent	L		!	× [	= 0	┪╵	581	40	581	40	Recording each patent assignment per property (times number of properties)	
Large Fee	Entity Fee	Small Fee	Entit Fee	у		_	146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
Code 103	(\$) 18	Code 203	( <b>\$</b> )	Fee Descripti			149	740	249	370	For each additional invention to be examined (37 CFR § 1,129(b))	
103	84	202	42		laims in excess of 3		179	740	279	370	Request for Continued Examination (RCE)	
104	280	204	140	•	ndent claim, if not paid		169	900	169	900	Request for expedited examination	
109	84	209	42		ependent claims over		103	500	103	300	of a design application	
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			S	UBTOTAL (2)	(\$)126	]		ed by Ba		Fee Pa	aid SUBTOTAL (3) (\$) 0	
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SUBMITTED BY			<del></del>	Co	omplete (if applicable)	
Name (Print/Type)	Shane H. Hunter, Esq.	Registration No. Attorney/Agent)	41,858	Telephone	1-617-348-1765	
Signature	Shan	· thenter		Date	August 28, 2003	
		7				

Express Mail No. EV231274274US Date of Deposit: August 28, 2003

Attorney Docket No. 23681-014

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Aniruddha S. Worlikar, et al.

Filed: HEREWITH, August 28, 2003 Examiner: Not yet assigned

Serial No. Not yet assigned Art Unit: Not yet assigned

For: HIGH-PURITY CRYSTAL GROWTH

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## REQUEST AND CERTIFICATION UNDER 37 C.F.R. §122(b)(2)(B)(i)

Sir:

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. §122(b).

Respectfully submitted,

Shane H. Hunter/

Registration No.41,858

Mintz, Levin, Cohn, Ferris,

Glovsky and Popeo, P.C.

One Financial Center

Boston, MA 02111

Telephone 617/348-1765

Attorneys for Applicants

Please address all correspondence to Customer Number 30623.

Date: August 28, 2003